BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Improvements to Roads and Drains at SC/ST area of LBS Nagara Allalsandra and surrounding areas in ward 04 of Yelahanka Sub Division

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Rate in Rs	Amount in Rs
1	KSRRB 300 - Excavation for road, drains and similar works KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 (P.No-143, I.No-19.1)								
	For RCC Drain	Cum							
	LBS Nagara								
	LHS		1	422.00	1.20	1.00	506.40		
	RHS		1	422.00	1.50	1.10	696.30		
	For RCC Culvert		1	9.00	1.80	1.20	19.44		
							1222.14	215.28	**263102.30**
	Basic Rate Rs.=	130.00							
	Add 6% A.W Rs. =	7.80							
	Sub Total =	137.80							
	8Km Lead, Loading and Unloading =(2*1.28*8)+57	77.48							
	Total Rate Rs. =	**215.28**							
2	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. (P.No-222,I No-27.18)								
	For Drain	Cum							
	LBS Nagara								
	LHS		1	422.00	1.20	0.15	75.96		
	RHS		1	422.00	1.50	0.15	94.95		
	For RCC Culvert		1	9.00	1.80	0.15	2.43		
							173.34	5421.90	**939832.15**
	Basic Rate Rs.=	5115.00							
	Add 6% A.W Rs. =	306.90							
	Total Rate Rs. =	**5421.90**							
3	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. With 20mm and sown size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compcted for walls and bottom including centring shuttering cost of material HOM of machinary curing etc., complete execluding cost of steel as per MORTH specification no. 1500, 1700, 2200 including cost of material labour HOM complete as per specification. (P.No.271, I.No.37.59.2 of PW, P&IWTD S.R 2018-19)								
	For RCC Drain	Cum							
	LBS Nagara								
	Bottom slab								

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Rate in Rs	Amount in Rs
	LHS		1	422.00	1.10	0.15	69.63		
	RHS		1	422.00	1.30	0.15	82.29		
	side walls								
	LHS		2	422.00	0.15	0.75	94.95		
	RHS		2	422.00	0.15	0.75	94.95		
							341.82		
	For RCC Culvert								
	Raft		1	9.00	1.50	0.20	2.70		
	side walls		2	9.00	0.20	0.60	2.16		
							4.86		
					Net Qty.		**346.68**	7070.20	**2451096.94**
	Basic Rate Rs.=	6670.00							
	Add 6% A.W Rs. =	400.20							
	Total Rate Rs. =	**7070.20**							
4	KSRRB - M2300-14: Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.MORTH Specification No. 1600 & 2200 for TMT bars Fe 500. (P.No.239, I.No.29.29.2 of PW, P&IWTD S.R 2018-19)								
	Considering steel For Drain @ 70 kg / cum	Tonne		341.82	0.070	--	23.93		
	Considering steel For Culvert @ 100 kg / cum			4.86	0.100	--	0.49		
							24.41	73992.24	**1806402.15**
	Basic Rate Rs.=	69804.00							
	Add 6% A.W Rs. =	4188.24							
	Total Rate Rs. =	**73992.24**							
5	Providing and fixing RCC precast cover slab of 100mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)								
	For drain cover slab	Sqm							
	LBS Nagara								
	LHS		1	422.00	0.90	--	379.80		
	RHS		1	422.00	1.20	--	506.40		
							886.20	2337.00	**2071049.40**
6	Providing and fixing RCC precast cover slab of 250mm thick made out of CC 1:2:4 and jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)								
	For Culvert Slabs	Sqm	1	9.00	1.50	--	**13.50**	5418.00	**73143.00**
							Sub Total 1 Rs.		**7604625.93**

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Rate in Rs	Amount in Rs
	Add GST @ 12%								912555.11
	Add KRIDL @ 4%								304185.04
	DPR & PMC Charges including								178000.00
							Sub Total 2 Rs.		8999366.08
	Miscellaneous & Rounding off								633.92
								Total Rs.	9000000.00

CERTIFICATE:

1 The work spot has been inspected by me and the work is found to be necessary

2 The estimate is prepared as per PW, P&IWTD S.R Bangalore circle for the year 2018-2019.

3 The Provisions made in the estimate are quite necessary and adequate.

4 The area comes with in the BBMP limits.

Ramaranjeevan,
Assistant Engineer
Ward 04
BBMP

Assistant Executive Engineer
Yelahanka Newtown Sub Division
BBMP

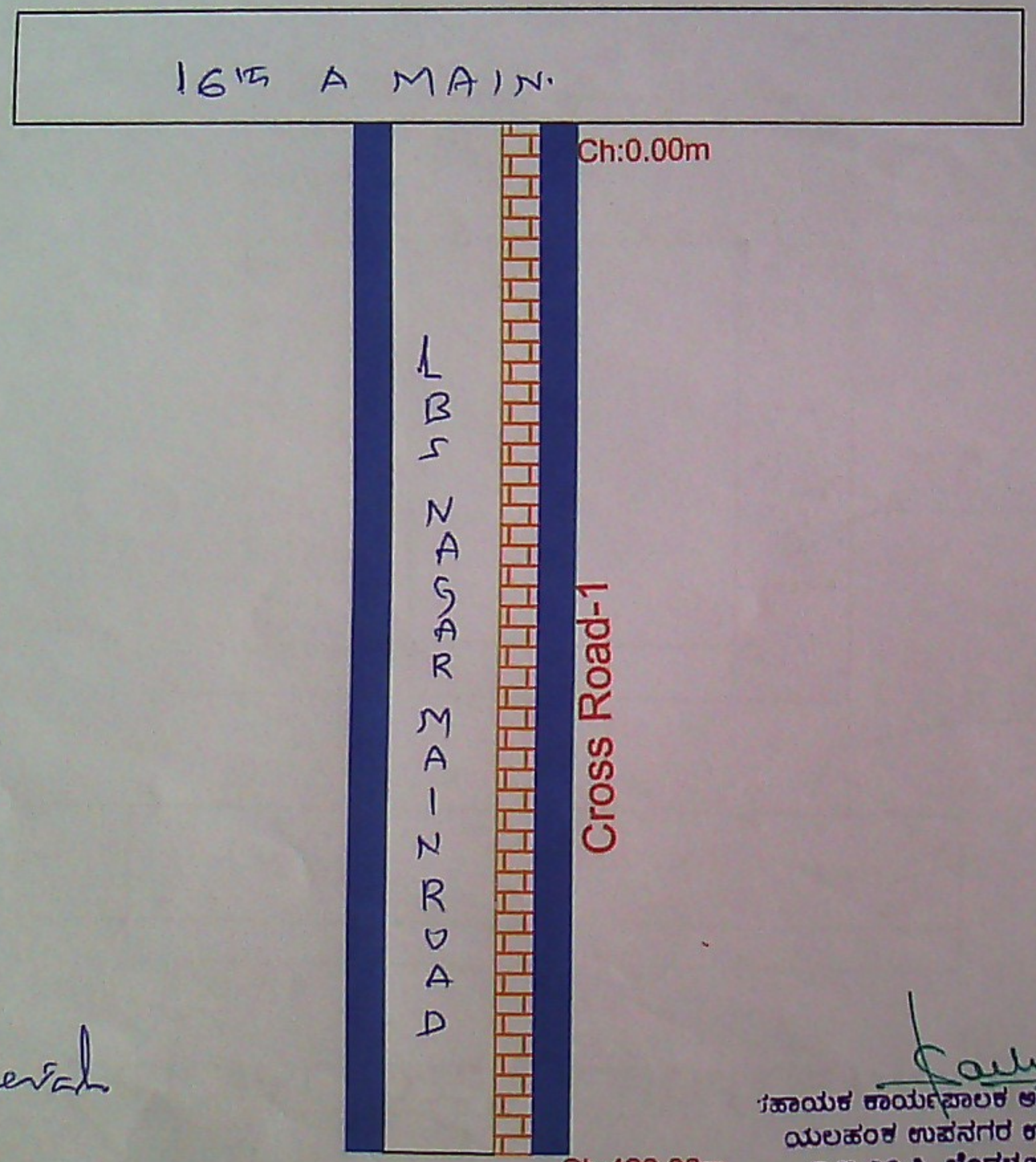
Executive Engineer
Yelahanka Division
BBMP

Administrative Sanction for Rs. ....90:00 Lakhs
.....Ninety Lakhs only.....
.....
is accorded under head ...P-3727.....
..Chief minister Nava nagara
-thana grants 2018-19 .....
Registered as CE No. ..... Subject
to conditions conta...
No. EE/YNK/AS/48/2019-20 Dt. 28/10/2019

Executive Engineer

Technical Sanction
Accorded For Rs 90:00 lakhs only
Head of A/C...P3727...
CER NO :....102..... Dt...28.10.2019

TA CE (YNK)



LBS NAGARA

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Ramaranjeevah

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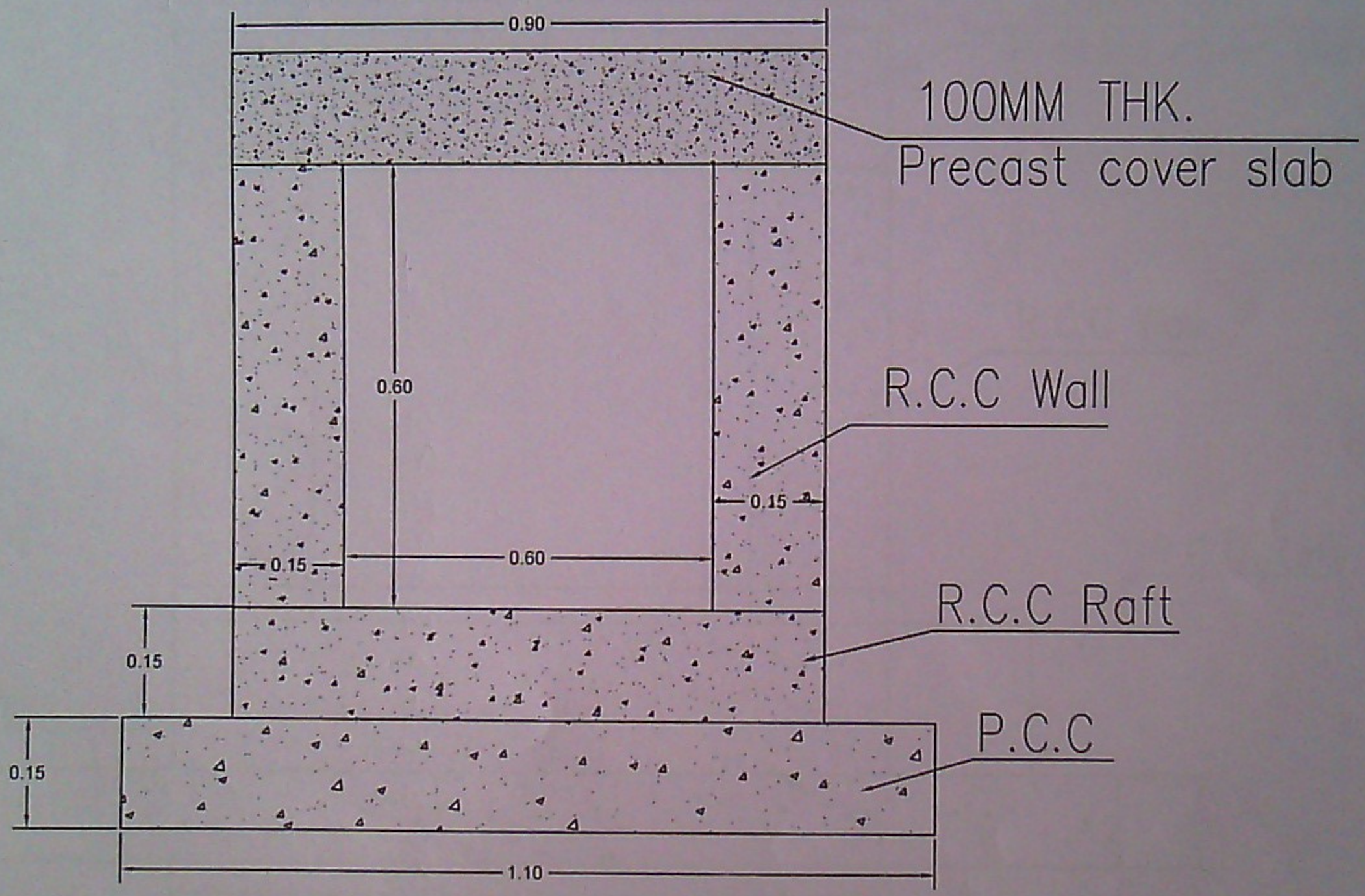
CC ROAD
RCC DRAIN
FOOTPATH

CLIENT: RUHAT BANGALORE AHANAGARA PALIKE	CONSULTANT:- SILICON CONSULTING ENGINEERS #1317 4TH CROSS, BEL 2ND STAGE BHARTH NAGAR BANGALORE -560091 PH:8792620231, E-mail: kumar.vinay631@gmail.com	Assitante Engineer	Assitante Executive Engineer	Executive Engineer	Dwg Title: Improvements to Roads And drains at SC/ST Nagara to LBS Nagara allalasandra and surrounding area in Ward No-04 of yalahanaka sub division Dwg no:	scale; N.T.S Date Rev: R0



TYPICAL CROSS SECTION OF DRAIN

Ramalingeswara

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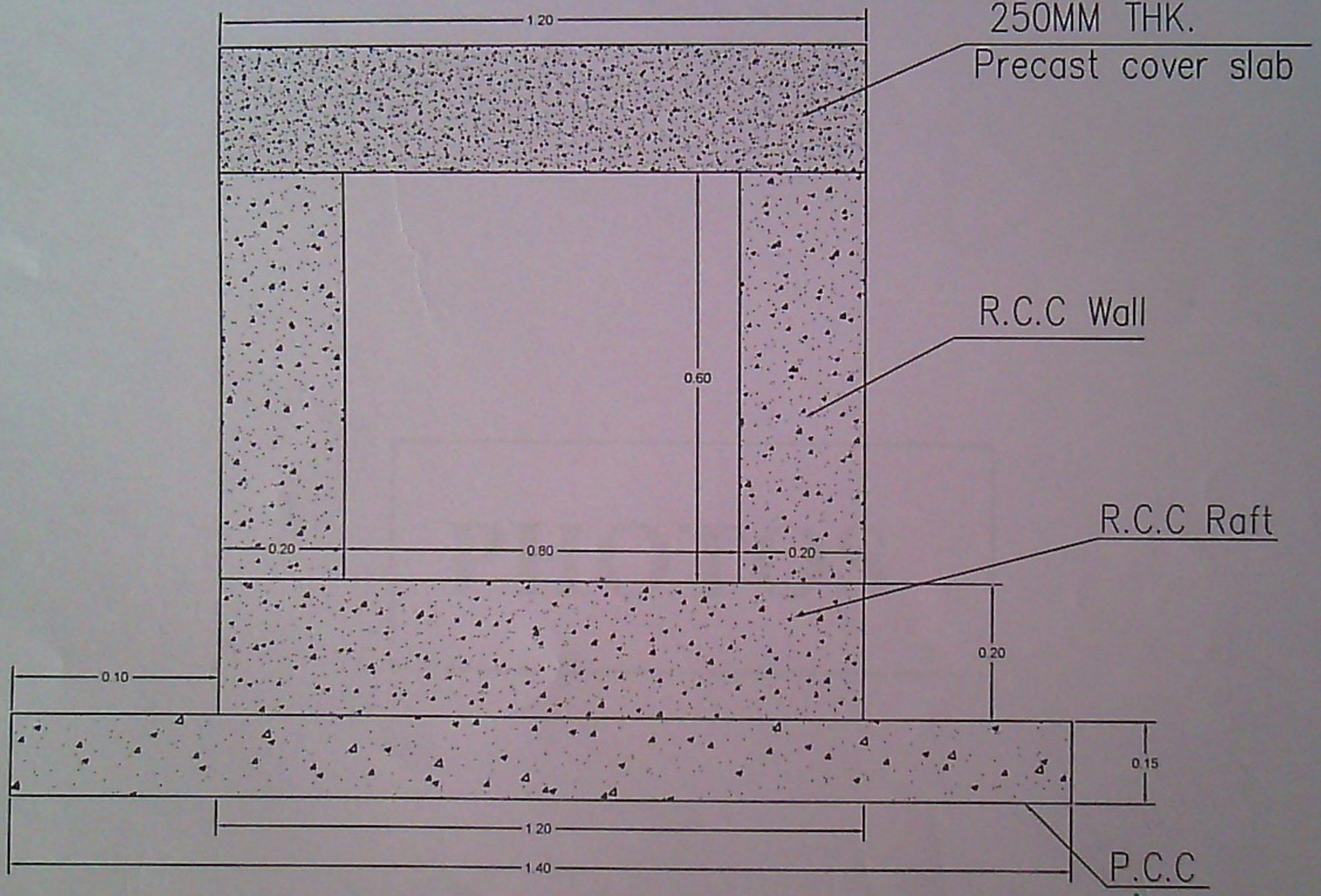
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ.
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106



TYPICAL CROSS SECTION OF CULVERT

Ramarenjeeval

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